

*Docket No.: 1442.026
Serial Number 10/055,513*

Amendments to the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

1. ***(Currently Amended)*** A fluid flow system for a hydrotherapy-tub, said system comprising:
a body configured to be attached to a hydrotherapy tub having an opening through a wall-surface of said tub such that said body covers the opening and said body is immovable and affixed relative to said wall-surface during operation, said body comprising:
a water inlet and an air inlet;
a first chamber therein, said water inlet configured to receive-extend through the opening to transmit water to said first chamber through the opening;
a second chamber, said air inlet configured to receive-extend through the opening to transmit air to said second chamber through the opening-in the wall;
a plurality of outlets in fluid communication with said first chamber and said second chamber; and
wherein said plurality of outlets is configured to transmit water from said first chamber and air from said second chamber to an interior of the hydrotherapy-tub.
2. ***(Original)*** The system of claim 1 wherein said body is adapted to be mounted to cause said first chamber to be located between said second chamber and the interior of the hydrotherapy-tub.
3. ***(Original)*** The system of claim 1 wherein said body is adapted to be mounted on an inner surface of the hydrotherapy tub.
4. ***(Original)*** The system of claim 1 wherein said first chamber comprises one inlet adapted for fluid communication with the water source and said second chamber comprises one inlet adapted for fluid communication with the air source.

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5. *(Original)* The system of claim 1 wherein the air source comprises ambient air outside said second chamber.
6. *(Original)* The system of claim 5 wherein at least one outlet of said plurality of outlets is adapted to draw said ambient air from the air source.
7. *(Previously Presented)* The system of claim 1 wherein at least one outlet of said plurality of outlets is adapted to provide a water-air froth to the interior of the hydrotherapy tub.
8. *(Previously Presented)* The system of claim 7 wherein said at least one outlet is adapted to provide said water-air froth through a venturi effect caused by fluid communication of said at least one outlet with water from said water source, when in fluid communication with said first chamber, and air from said air source, when in fluid communication with said second chamber.
9. *(Previously Presented)* The system of claim 7 wherein said at least one outlet is adapted to draw air from said second chamber, when in fluid communication with said air source, via a venturi effect.
10. *(Original)* The system of claim 1 wherein said second chamber comprises a plurality of air outlets configured to transmit air to at least one of said first chamber and said plurality of outlets.
11. *(Original)* The system of claim 1 wherein said first chamber comprises a plurality of conical structures for changing a velocity of the water, when said first chamber is in fluid communication with said water source.
12. *(Original)* The system of claim 11 wherein said second chamber further comprises a plurality of air outlets configured to transmit air to said plurality of conical structures, when said second chamber is in fluid communication with said air source.
13. *(Original)* The system of claim 12 wherein said plurality of air outlets extend from said second chamber into said plurality of conical structures.

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14. *(Original)* The system of claim 11 wherein said plurality of air outlets is adapted to allow air to be drawn into said plurality of conical structures to cause a plurality of jets of water-air froth to be discharged to an interior of the hydrotherapy tub.

15. *(Original)* The system of claim 14 wherein said plurality of conical structures is adapted to cause said plurality of jets to be discharged via a venturi effect.

16. *(Original)* The system of claim 1 wherein said plurality of outlets comprises a plurality of air outlets located inside a plurality of water outlets, wherein said plurality of air outlets is in fluid communication with said second chamber and said plurality of water outlets is in fluid communication with said first chamber.

17. *(Original)* The system of claim 16 wherein said plurality of outlets is adapted to draw air through said plurality of air outlets into said plurality of water outlets via a venturi effect to cause a discharge of a plurality of jets of water - air froth to an interior of the hydrotherapy tub.

18. *(Previously Presented)* The system of claim 1 wherein said first chamber comprises a first longitudinal portion, said second chamber comprises a second longitudinal portion, the hydrotherapy tub comprises an inner surface and wherein said body is configured to be mounted to cause said first longitudinal portion of said first chamber and said second longitudinal portion of said second chamber to be located about parallel to the inner surface of the hydrotherapy tub wherein said second chamber is configured to be located between said first chamber and the inner surface.

19. *(Withdrawn)* The system of claim 1 wherein said body further comprises at least one outlet cover for preventing transmission of at least one of water and air to the interior of the hydrotherapy tub from at least one outlet.

20. *(Withdrawn)* The system of claim 16 wherein said at least one outlet cover is moveably attached to said body for at least one of covering and uncovering at least a portion of said at least one outlet.

21. *(Original)* The system of claim 1 wherein said first chamber comprises a water chamber and said second chamber comprises an air chamber.

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22. *(Original)* The system of claim 1 wherein said body is adapted to conform to an inner surface of the hydrotherapy tub.

23. *(Original)* The system of claim 1 wherein said body is adapted to be mounted to an inner surface of the hydrotherapy tub to cause said a plurality of axes of said plurality of outlets to be substantially perpendicular to said inner surface.

24. *(Currently Amended)* A hydrotherapy tub, said tub comprising:
an inner surface having an opening therethrough;
an air source and a water source;
a body mounted to a hydrotherapy tub such that said body covers said opening and said body is immovable and affixed relative to said inner surface during operation, said body having a first chamber in fluid communication with said [[a]] water source through the said opening and a second chamber in fluid communication with un-said air source through the said opening;
a plurality of outlets adapted to receive water from said first chamber and to receive air from said second chamber;
wherein said plurality of outlets is configured to transmit the water and the air to an interior of the hydrotherapy-tub.

25. *(Original)* The system of claim 24 wherein said body comprises a water inlet adapted for fluid communication with the water source and said body comprises an air inlet adapted for fluid communication with the air source.

26. *(Previously Presented)* The system of claim 24 wherein said at least one outlet comprises a plurality of outlets adapted to provide a plurality of jets of water-air froth about perpendicular to an inner surface of the hydrotherapy tub.

27. *(Original)* The system of claim 24 wherein said at least one outlet is adapted to draw said ambient air via a venturi effect.

28. *(Currently Amended)* A fluid flow system for a hydrotherapy-tub, said system comprising:

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a body configured to be mounted to a hydrotherapy tub having an opening through a wall surface of the tub such that said body covers the opening and said body is immovable and affixed relative to said wall surface during operation, said body comprising

a water inlet configured to extend through the opening;

an air inlet configured to extend through the opening, said water inlet and said air inlet being configured to receive transmit water and air, respectively, through the opening in the wall; and

means for providing a plurality of jets of water-air froth to an interior of the hydrotherapy-tub from said body.

29. *(Original)* The system of claim 28 wherein said air inlet is adapted for fluid communication with an ambient air source.

30. *(Original)* The system of claim 28 wherein said means for providing comprises a means for providing said plurality of jets of water-air froth about perpendicular to an inner surface of the hydrotherapy tub.

31. *(Currently Amended)* The system of claim 28 further comprising a water chamber and an air chamber, wherein said water chamber is adapted for fluid communication with said means for providing and a water source, through said water inlet, and the air chamber is adapted for fluid communication with said means for providing and an ambient air source, through said air inlet.

32. *(Original)* The system of claim 28 wherein said body further comprises a water chamber and an air chamber, wherein said body is adapted for mounting to an inner surface of the hydrotherapy tub to cause said air chamber to be located between said water chamber and the inner surface.

33. *(Withdrawn)* The system of claim 28 further comprising means for altering a number of jets of water-air froth provided by said means for providing a plurality of jets.

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34. *(Currently Amended)* A method for controlling fluid flow to a hydrotherapy tub, comprising:

mounting a body to a hydrotherapy tub having an opening through a wall surface of the tub such that the body covers the opening and the body is immovable and affixed relative to the wall-surface during operation, the body comprising:

an air inlet;

a water inlet, the water inlet and the air inlet extending through the opening and being configured to receive water and air, respectively, through the opening; and

means for providing a plurality of jets of water-air froth to an interior of the hydrotherapy tub from the body.

35. *(Original)* The method of claim 34 further comprising providing fluid communication between said air inlet and an ambient air source.

36. *(Original)* The method of claim 34 further comprising mounting said body to an inner surface of the hydrotherapy tub.

37. *(Withdrawn)* The method of claim 34 wherein the means comprises at least one outlet, the body further comprises at least one outlet cover and the method further comprises moveably attaching the at least one outlet cover to the body wherein the at least one outlet cover is adapted to cover the at least one outlet.

38. *(Withdrawn)* The method of claim 37 further comprising moving the at least one outlet cover to at least one of cover and uncover at least a portion of the at least one outlet.

39. *(Withdrawn)* The method of claim 37 wherein the providing the body comprises providing a water chamber adapted for fluid communication with the means for providing and a water source, through the water inlet, and providing an air chamber adapted for fluid communication with an air source, through the air inlet, and the means for providing.

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40. *(Currently Amended)* A method for controlling fluid flow to a hydrotherapy tub, comprising:

mounting a body to a hydrotherapy tub having an opening through a wall ~~surface~~ of the tub such that the body covers the opening, ~~the body~~ is immovable ~~and affixed relative to the wall surface~~ during operation and ~~the body~~ receives water and ambient air through the opening; and providing a plurality of jets of water-air froth to an interior of the hydrotherapy tub from the body.

41. *(Original)* The method of claim 40 wherein the providing comprises providing a plurality of jets of water-air froth about perpendicular to an inner surface of the hydrotherapy tub.